

Stability of Controlled Processes, by I.
M. Rapoport, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physics
Sections, Vol CLVIII, No 2, Sep 1964,
pp 288-291.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 9

V

Sci
Aug 65

Spaces of Functions Analytic in Multiple Hartog
Comains, by A. F. Sadrov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Soviet Math, Vol
CLVIII, No 2, Sept, Oct 1964, pp 284-287.

Amer Math Soc

Sov Math-Doklady
Vol V, No 5

Sci
Jul 65

A Priori Estimates of Solutions of Degenerating
Elliptic Equations, by M. I. Freidlin, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Soviet Math, Vol
CLVIII, No 2, Sept, Oct 1964, pp 281-283.

Amer Math Soc
Sov Math-Doklady
Vol V, No 5

Sci
Jul 65

Improvement of the Convergence of Successive
Approximation Methods for Linear Equations, by
A. B. Naisul', 2 pp.
RUSSIAN, per Dok Ak Nauk SSSR, Soviet Math, Vol
CLVIII, No 2, Sept, Oct 1964, pp 279-280.

Amer Math Soc
Sov Math-Doklady
Vol V, No5

Sci
Jul 65

Boundary Value Problems for Partial Differential
Operator, by I. A. Kiprijanov, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Soviet Math, Vol
CLVIII, No 2, Sept, Oct 1964, pp 275-278.

Amer Math R Soc
Sov Math-Doklady
Vol V, No 5

Sci
Jul 65

A Generalization of the Tricom~~a~~ Problem, by G.
Karatoprakli~~e~~v, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Soviet Math, Vol
CLVIII, No 2, Sept, Oct 1964, pp 271-274.

Amer Math Soc
Sov Math-Doklady
Vol V, No 5

Sci
Jul 65

Description of the Unitary Representations of the
Lorentz Group in a Space with Indefinite Metric,
by R. S. Ismagilov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Soviet Math, Vol
CLVIII, No 2, Sept, Oct 1964, pp 268-270.

Amer Math Soc
Sov Math-Doklady
Vol V, No 5

Sci
Jul 65

The Behavior of Solutions of Differential Equations
Near the Boundary, by V. V. Grusin, ~~xxxx~~ 5 pp.
RUSSIAN, per, Dok Ak Nduk SSSR, Soviet Math, Vol
CLVIII, No 2, Sept, Oct 1964, pp 264-267.

Amer math Soc
Sov Math-Doklady
Vol V, No 5

SciA
Jul 65

On the ϵ -Entropy of Some Compact Sets of Differentiable Functions in Spaces with a Monotone Norm,
by K. K. Golovkin, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Soviet Math, Vol
CLVIII, No 2, Sept, Oct 1964, pp 261-263.

Amer Math Soc
Sov Math-Doklady
Vol V, No 5

Sci
Jul 65

Classification of Semisimple Lie Algebras Over a p-
Adic Field, by B. Ju. Veisfeiler, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Soviet Math, Vol
CLVIII, No 2, Sept, Oct 1964, pp 258-260.

Amer Math Soc
Sov Math-Doklady
Vol V, No 5

Sci
Jul 65

Fouier Coefficients of Parabolic Forms, by A.N.
Andrianov, A. N. Fomenko, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Soviet Math, Vol
CLVIII, No2, Sept, Oct 1964, pp 255-257.

Amer Math Soc
Sov Math-Doklady
Vol V, No 5

Sci
Jul 65

Changes in the Isotopic Composition of Lead
from Deposits of a Number of Regions, by K.
K. Zhiron, 7 pp.
RUSSIAN, per, Doklady Akademii Nauk SSSR,
v 158, No 1, 1964, pp. 126-129.
JPRS 30762

USSR
Sci-Chem
Jul 65

282,089

Phase Solution in the Nickel-Gold System
by V. V. Sanadze, G. V. Gulyaev, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physics
Sections, Vol CLVII, No 1, Sep 1964,
pp 89-91.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 9

Sci
Aug 65

New Composite Perovskite-Type Compounds
Containing Lead, by Yu. N. Venevtsev, Yu. E. Rog
Roginskaya, et al, 2 pp.
RUSSINA, per, Dok Ak Nauk SSSR, Physics
Sectiond, Vol CLVIII, No 1, Sep 1964,
pp 86888,

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 9

Sci
Aug 65

Investigation of the Full Energy Spectrum
of Secondary Electrons in Solid and
Liquid Sn and In, by U. A. Arifov,
A. Kh. Kasymov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physics
Sections, Vol CLVIII, No 1, Sep 1964,
pp 82-85.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 9

Sci
Aug 65

A New Variational Formalism in the
General Theory of Relativity, by
K. P. Stanyukovich, 4 pp.
RUSSIAN, per, dok Ak Nauk SSSR, Physics
Sections, Vol CLVIII, No 1, Sep 1964,
pp 78-81.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 9

Sci
Aug 65

Passage of a Nonequilibrium Gas through
the Critical Section of a Nozzle, by
A. S. Pleshanov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physics
Sections, Vol CLVIII, No 1, Sep 1964,
pp 74-77.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 9

FTD-TT-65-1134

Sci
Aug 65

Hilbert's Method of Solving the Boltzmann
Kinetic Equation, By V. V. ~~Struminskiy~~
Struminskiy, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physics
Sections, Vol CLVIII, No 1, Sep 1964,
pp 70-73.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 9

Sci
Aug 65

On the Scattering Operator in the Space of Second
Quantization, by A. L. Cistjakov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Soviet Math, Vol
CLVIII, No 1, Sept, Oct 1964, pp 66-69.

Amer Math Soc
Sov Math-Doklady
Vol V, No 5

Sci
Jul 65

Isotopy of Cells and Spheres in N-Space for $k \leq 2/3n-1$, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Soviet Math, Vol
CLVIII, No 1, Sept, Oct 1964, pp 62-65.

Amer Math Soc
Sov Math-Doklady
Vol V, No 5

Sci
Jul 65

On the Representation of Ultraspherical Polynomials, by A. K. Haradze, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Soviet Math, Vol CLVIII, No 1, Sept, Oct 1964, pp 59-61.

Amer Math Soc
Sov Math-Doklady
Vol V, No 5

Sci
Jul 65

Iteration Methods with Divided Differences of the
Second Order, by S. Ju. ~~U~~ Ul'm, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Soviet Math, Vol
CLVIII, No 1, Sept, Oct 1964, pp 56-58.

Amer Math Soc
Sov Math-Doklady
Vol V, No 5

Sci
Jul 65

A New Algorithm in the Theory of Perturbations of
a Continuous Spectrum, by A. G. Sigalov, 4 pp.
RUSSIAN, ~~k~~ Per, Dok Ak Nauk SSSR, Soviet Math, Vol
CLVIII, No 1, Sept, Oct 1964, pp 49-52.

Amer Math Soc
Sov Math-Doklady
Vol V, No 5

Sci
Jul 65

Limiting Distribution for a Class of Functionals
of Independent Random Variables, by G. N. Sytaja,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Soviet Math, Vol
CLVIII, No 1, Sept, Oct 1964, pp 53-55.

Amer Math Soc
Sov Math-Doklady
Vol V, No 5

Sci
Jul 65

Certain Properties of Solutions of nonlinear
Hyperbolic Equations in Hilbert Space, by Ja. D.
Mamedov, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Soviet Math, Vol
CLVIII, No 1, Sept, Oct 1964, pp 45-48.

Amer Math Soc
Sov Math-Doklady
Vol V, No 5

Sci
Jul 65

Asympotic Distribution of the Eigenvalues of
Elliptic Operators, by A. G. Kostjucenko, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Soviet Math, Vol
CLVIII, No 1, Sept, Oct 1964, pp 41-44.

Amer Math Soc
Sov Math-Doklady
Vol V, No 5

Sci
Jul 65

A Mixed Problem for General Parabolic Systems
in a Half-Space, by T. Ja. Zagorskiy, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Soviet Math, Vol
CLVIII, No 1, Sept, Oct 1964, pp 37-40.

Amer Math Soc
Sov Math-Doklady
Vol V, No 5

Sci
Jul 65

A Class of Finite Homomorphisms, by V. V. Glazkov,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Soviet math, Vol
CLVIII, No 1, Sept, Oct 1964, pp 33-36.

Amer Math Soc
Sov Math-Doklady
Vol V, No 5

Sci
Jul 65

On the Spectrum of Non-Selfadjoint Operators, by
M. M. Gektman, I. V. Stankevic, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Soviet Math,
Vol CLVIII, No 1, Sept, Oct 1964, pp 29-32.

Amer Math Soc
Sov Math-Doklady
Vol V, No 5

Sci'
Jul 65

General Boundary Value Problems with Discontinuous Conditions at the Boundary, by M. I. Visik, G. I. Eskin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Soviet Math, Vol CLVIII, No 1, Sept, Oct 1964, pp 25-28.

Amer Math Soc
Sov Math-Doklady
Vol V, No 5

Sci
Jul 65

Distribution of a Nonhomogeneous Product taking into Account the "Processing" Capacity of Intermediate Stations, by B. S. Verhovskiy, 4 pp. RUSSIAN, per, Dok Ak Nauk SSSR, Soviet Math, Vol CLVIII, No 1, Sept, Oct 1964, pp ~~17~~ 17-20.

Amer Math Soc
Sov Math-Doklady
Vol V, No 5

Sci
Jul 65

Some Stability Properties of Bases, by B. E.
Veic, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Soviet Math, Vol
CLVIII, No 1, Sept, Oct 1964, pp 13-16.

Amer Math Soc
Sov Math-Doklady
Vol V, No 5 5

Sci
Jul 65

The Use of Generalized Characteristic Numbers in
Studying the Stability of a Stationary Point, by
Ju. S. Bogdanov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Soviet Math, Vol
CLVIII, No 1, Sept, Oct 1964, pp 9-12.

Amer Math Soc
Sov Math-Doklady
Vol V, No 5

Sci
Jul 65

Changes in the Anterior Lobe of the Hypophysis,
Corpora Lutea of Pregnancy, and the Thyroid
in the Mink (*Mustela vison*) Associated with
Implantation of Embryos, by Yu. B. Bayevskiy,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sciences,
Vol CLVII, No 6, Jul, Aug 1964, pp 1493-1496.

CB

Sci
Sep 65

Activity of the Neurons in the Region of the
Respiratory Center of the Medulla during an
Excessive Intrapulmonary Oxygen Pressure,
by M. V. Kirzon, G. G. Chernova, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sciences,
Vol CIVII, No 6, Jul, Aug 1964, pp 1490-1492.

CB

Sci
Sep 65

Restoration of Conduction in the reflex Arc
After Division and Regeneration of the Dorsal
Root Fibers of the Spinal Cord in Rats,
by E. N. Arnautova, T. N. Nesmeyanova, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sciences,
Vol CLVII, No 6, Jul, Aug 1964, pp 1486-1489.

CB

Sci
Sep 65

Protective Action of Acetylcholine During
the Interaction of Serum Cholinesterase
With Organophosphorus Inhibitors, by R.
I. Volkova, Ye. V. Rozengart, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLVII,
No 6, 21 Aug 64, pp 1459-1462.

JPRS 27190

Sci-Chem
Jan 65

271,178

Electrocapillary Curves of Liquid
Gallium, by A. N. Frumkin, N. S.
Polyanovskaya.
RUSSIAN, per, Doklady Akad Nauk
SSSR, Vol 157, No 6, pp 1455-1458, 1964
AEC IS-Tr-17 9229907

26

Sci-Phys
Oct 65

290,599

Crystal Luminescence and its Use to Study the
Kinetics of the Acylation of Amones, by G. P.
Safonov, V. Ya. Shlyapintokh, et al, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry,
Vol CLVII, No 6, Jul Aug, 1964, pp 1451-1454.

CB

Sic
Jun 65

On the Theory of Combustion of Condensed Systems,
by S. S. Novikov, Yu. S. Ryazantsev.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLVII, No 6,
1964, pp 1448-1450.
Dept of Navy 4115/APL-JHU T 1276

Sci - Phys
Jun 65

279,611

CB

Formation of the J-State in Aqueous Solutions of
Cyanin Dyes, by S. V. Natanson, N. S. Spasokukotskiy,
et al, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry,
Vol CLVII, No 6, Jul, Aug, 1964, pp 1445-1447.

CB

Sic
Jun 65

Determination of the Concentration Dependence of
Certain Thermodynamic Functions of Solid Solutions
of Ferrites, by A. N. Men', M. N. M. Stafeyeva,
et al, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry,
Vol. CLVII, No 6, Jul, Aug, 1964, pp 1441-1444

CB

Sic

Jun 65

Proton Spin-Lattice Relaxation, Viscosity, and Vibration of Molecules in the Series of n-Raraffins, by S. Kh. G. Kashayev, B. Le, et al, 3 pp. RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry, Vol CLVII, No 6, Jul, Aug, 1964, pp 1438-1440.

CB

Sic
Jun 65

Differences in the Structure of the Posterior
Vena Cava in Certain Insectivores,
by E. G. Chernyayev, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sciences,
Vol CLVII, No 6, Jul, Aug 1964, pp 1438-1441.

CB

Sci
Sep 65

Strength of Model Samples of Unidirectional Structures, by V. A. Kargin, Yu. M. Malinskiy, et al, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry, Vol CLVII, No 6, Jul, Aug, 1964, pp 1434-1437.

CB

Sic
Jun 65

Study of the Mechanochemical Transformations in
Polyethylene by the Method of Infrared Spectroscopy,
by S. N. Zhurkov, I. I. Novak, et al, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry,
Vol CLVII, No 6, Jul, Aug, 1964, pp 1431-1433.

CB

Sic
Jun 65

Ignition of Particles of Explosives in a Heated
Gas, by Yu. M. Grigor'yev, E. I. Maksimov,
et al, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry,
Vol Clvii, No 6 Jul, Aug, 1964, pp 1427-1430.

CB

Sic
Jun 65

Electrochemical Generation of Free Radical Anions
in the 5-Nitrofuran Series, by R. A. Gavar, Ya.
P. Stradyn', et al, 3 pp.
RUSSIAN, per, Dok Ak Naur SSSR, Physical Chemistry,
Vol CLVII, No 6, Jul, Aug, 1964, pp 1424-1426.

CB

Sic

Jun 65

The Molecular Orbital Theory of the Diamagnetism
of Cyclic Molecules, Calculation of the Magnetic
Anisotropy of Cyclopropane, by R. M. Aminova, 5 pp.
RUSSIAN, per, ~~D~~ Dok Ak Nauk SSSR, Physical Chemistry,
Vol CLVII, No 6, Jul, Aug, 1964, pp 1420-1423

CB

Sic
Jun 65

Cracking of Polymer Coatings as the Result of
Internal Stresses, by A. T. Sanzharovskiy, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physics Sections,
Vol CLVII, No 6, Aug 1964, pp 1345-1315.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 8

Sci
Aug 65

Energy Spectra of a Plasma Interacting With a
Transverse Magnetic Field, by I. I. Demidenko,
V. G. Padalka, et al.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLVII, No 6,
1964, pp 1335x-1337.
NASA TT F-8970

*Amer Jnat of Phys
Sov Phys - Seblady
Vol IX, No 8*

Sci-Phys

Dec 64

U.S. GOVERNMENT ONLY

269,967

The Maximum Boundary Property of Functions Representable by Integrals of a Certain Type, by I. B. Simonenko, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol CLVII, No 6, 1964, pp 1301-1302.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

A Problem of Fichera, by O. A. Oleynik, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 6, ~~12~~ 1964, pp 1297-1301.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

Representation of Equations by Nomograms of Genus
two, by P. V. Nikoloayev, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, vol
CLVII, No 6, 1964, pp 1293-1296.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

The Solution of a Multidimensional Kinetic Equation by the Splitting Method, by G. I. Marcuk, N. N. Janenko, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol. CLVII, No 6, 1964, pp 1291-1292.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

Certain Tests for the Existence of Stable Periodic
Solutions of Quasi-Linear Parabolic Equations,
by Yu. S. Kolesov, 3 pp.
RUSSIAN, per , Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 6, 1964, pp 1288-1290.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

Cohomology of the Steenrok Algebra, by L. N.
Ivanovskiy, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, $\times$ Sov Math, Vol
CLVII, No 6;, 1964, pp 1284-1287.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

A Difference Method of Solving Problems of
Stefan Type for a Quasi-Linear Parabolic Equation
with Discontinuous Coefficients, by F. P. Vasil'-
yev, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 6, 1964, pp 1280-1283.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

Normal Form of Differential Equations, by A. D,
Bryuno, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 6, 1964, pp 127691279.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

The Problem of the Oblique Derivative with Polynomial Coefficients, by A. V. Bicaaaze, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol CLVII, No 6, 1964, pp 1273-1275.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

Extravascular Lymph Gland Formation,
by A. P. Pola, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sciences
Vol CLVII, No 5, Jul, Aug 1964, pp 1624x
1264-1266.

CB

Sci
Sep 65

Time of Formation of the Connection Between
the Trachea and Pharynx in the Embryogenesis
of Reptiles and Birds, by I. N. Zusman, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sciences,
Vol 6LVII, No 5, Jul, Aug 1964, pp 1261-1263.

CB

Sci
Sep 65

Evoked Potentials of the Limbic Cortex of the
Cat During Stimulation of the Receptors of
Internal Organs, by S. S. Musyashchikova, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sciences,
Vol CLVII, No 5, Jul, Aug 1964, pp 1257-1260.

CB

Sci
Sep 65

Effect of Large Doses of Adrenalin on Changes in
Respiration Associates with an Excessive
Intrapulmonary Oxygen Pressure, by M. V. Kirzon,
V. A. Safonov, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sciences,
Vol CLVII, No 5, Jul, Aug 1964, pp 1253-1256.

CB

Sci
Sep 65

Regulation of Tone in Plerocercoids of the
Tapeworm *Ligula intestinalis*, by S. P. Alek-
sandryuk, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sciences,
Vol CLVII, No 5, Jul, Aug 1964, pp 1249-1252.

CB

Sci
Sep 65

Characteristics of the Biological Action of
RNA Isolated from Leukemic Tissue,
by ~~Mr~~ Z. A. Butenko, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sciences,
Vol CLVII, No 5, Jul, Aug 1964, pp 1245-1249.

CB

Sci
Sep 65

Catches of Lampanycutus Jordani Gilbert in the
Southeast Part of the Bering Sea,
by V. V. Fedorov, M. Yu. Kulikov, 2 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sciences,
Vol CLVII, No 5, Jul, Aug 1964, pp 1243-1244.

CB

Sci
Sep 65

On the Mathematical Theory of Photosynthesis
of Plant Cover, by Yu. Ross.
RUSSIAN, per. (Doklady, Akademiya Nauk SSSR.)
Vol 157, No 8, 1964, pp 1239-1243.
AFD T-65-30

Sci-ES/A
May 65

Fluorescent-Microscopic Study of "engorged"
mosquitoes, by G. A. Filatova and I. P. Shtrankfal's,
5 pp.
Zhurnal, per. Izvestiya Akademii Nauk SSSR, Biologiya,
Vol 197, No 5, 1964, pp. 1285-1290.
JPRS 55904

Index
Title
Page 57

332,704

Microillumination with Ultraviolet Light of
Crystals of the Tobacco Mosaic Virus in the
Living Cell, by M. I. Gol'din, A. P. Dubrov,
3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sciences,
Vol CLVII, No 5, Jul, Aug 1964, pp 1219-1221.

CB

Sci
Sep 65

Changes in the Amount of RNA in the Horizontal
and Amacrine Cells of the Frog's Retina in
Various Conditions of Illumination,
by I. A. Utina, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sciences,
Vol CLVII, No 5, Jul, Aug 1964, pp 1216-1260.

CB

Sci
Sep 65

Formation of Functional Structures on the
Surface of the Nucleus of the Spermatocytes
in Some Species of Flour Mite, by
N. S. Stroganova, M. A. Monakhova, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sciences,
Vol ECLVII, No 5, Jul, Aug 1964, pp 1213-1215.

CB

Sci
Sep 65

Defectothermal Method of Removing Impurities from
Rock Salt, by :M. M. Pavlyuchenko, Kh. M. Alek-
sandrovich, 2 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Chemical Technol-
ogy, Vol CLVI, No 5, May-Aug 1964, pp 1210-1212.

CB

Jul, 65

Influence of a Mineralizer on the Production of
Highly Active Clinkers from the Waste Products
of the Complex Reprocessing of Mepheline Rocks,
by P. P. Budnikov, S. M. Royak, et al, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Chemical
Technology, Vol CLVI, No 5, May-Aug 1964, pp
1206-1207.9

CB

Jul 65

On the Adsorption of Ions on Mercury from Concentrated Aqueous Solutions of KCl and Cs Cl, by A. M. Frumkin, R. B. Ivanova, et al, 4 pp. RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry, Vol CLVII, No 5, Jul, Aug, 1964, pp 1202-1205.

CB

Sic
Jun 65

Electron-Donor Properties of the Hydroxyl Ion,
by G. V. Fomin, L. A. Blyumenfel'd, et al, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry,
Vol CLVII, No 5, Jul Aug, 1964, pp 1199-1201.

CB

Sic
Jun 65

Investigation of the Influence of the Duration
of Loading and the Temperature on the Strength
of Three-Dimensional Polymers, by A. T. Sanzharoskiy,
G. A. Grinyute, et al, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry,
Vol CLVII, No 5, Jul, Aug, 1964, pp 1196-1198.

CB

Sic
Jun 65

On the Mechanism of the Radiation Polymerization
of Isobutylene and Strene in the Presence of
Solid Additives, by A. I. Popova, A. P. Sheynker,
et al, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry,
Vol CLVII, No 5, Jul, Aug, 1964, pp 1192-1195.

CB

Sci:
June 65

Analysis of Mathematical Models of Combustion
of the condensed ~~Phase~~ Phase, by S. S. Novikov,
Yu. S. Ryazantsev, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry,
Vol CLVII, No 5, Jul, Aug, 1964, pp 1188-1191.

CB

Sic
Jun 65

Internal Photo Effect in Acetylenic Polymers, by V. S. Myl'nikov, pp 4.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry,
Vol CLVII, No 5, Jul, Aug, 1964, pp 1184-1187,

CB

Sci
Jun 65

Free Energy of Mica Crystals, by M. S. Metsik,
R. V. Afanas'yeva, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry,
Vol CLVII, No 5, Jul, Aug, 1964, pp 1180-1183.

CB

Sci
Jun 65

On the Osmotic Theory of Solution, by F. M. Kuni,
2 pp
RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry,
Vol CLVII, No 5, Jul, Aug, 1964, pp 1178-1179.

CB

Sci
Jun 65

Dependence of the Adsorption of Ions on the Potential
of Platinum, by V. E. Kazarinov, N. A. Balashova,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry,
Vol CLVII, No 5, Jul, Aug, 1964, pp 1174-1177

CB

Sci
Jun 65

Wreath Products and Varieties of Groups, by A.
L. Smel'kin, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 5, 1964, pp 1063-1065.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

A Theorem of D. Stancu, by F. S. Hadzimullaev,
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 5, 1964, pp 1061-1062.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

Statistical Approach to the Correctness of
Problems in Mathematical Physics, by V. N. Sudakov,
~~xxx~~ 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 5, 1964, pp 1058-1060.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

On Bounds of the Spectra of Certain Classes of
Linear Operators, by V. Ja. Stecenko, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 5, 1964, -- pp 1054-1057.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

A Generalization of the Riemann-Schwarz Symmetry
principle and its Applications, by E. I. Obolashvili,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 5 1964, pp 1051-1053.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

Absolute Convergence of the Series of Fourier
Coefficients, by B. S. Mityagin, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 5, 1964, pp 1047-1050.

Amer math Soc
Sov Math-Dok
Vol v, No 4

Sci
Aug 65

Closed Orthonormal Systems of Analytic Functions
in Finitely Connected Regions, by I. M. Milin,
5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 5, 1964, pp 1043-1046.

Amer Math Soc
Sov Math Dok
Vol V, No 4

Sci
Aug 65

A General Mixed Problem by Z. O. Mel'nik,
~~Mykko~~, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 5, 1964, pp 1039-1042.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

The Relative Topology Space, by O. V. Lokucyev-
skiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 5, 1964, pp 1035-1038.

Amer Math Soc
Sov Math-Doklady
Vol V, No 4

Sci
Aug 65

Entire Analytic Solutions of Infinite-Order
Equations with Polynomial Coefficients, by Ju. F.
Korobenik, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 5, 1964, pp 1031-1034.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

Non-Negative Solutions of a Boundary Value
Problem with Oblique Derivative Prescribed
on the Boundary, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 5, 1964, pp 1028-1039.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

Parametric Representation of Certain General
Classes of Meromorphic Functions in the Unit
Circle, by M. M. Dzbasjan, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 5, 1964, pp 1024-1027.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

The Spectrum of a Singular Non-Selfadjoint
Differential Operator of Order Two with Respect
to a Complex Weight Function, by E. M.
Dzabraylova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 5, 1964, pp 1021-1023.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

Limit Cycles for Equations of Motion of a
Rigid Body and Galerkin's Equations for Hydro-
dynamics, by N. N. Bruslinskaya, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Math, Vol
CLVII, No 5, 1964, pp 1017-1020.

Amer Math Soc
Sov Math-Dok
Vol V, No 4

Sci
Aug 65

Crystal Structure of Synthetic $\text{Na}_2(\text{TiO}) [\text{SiO}_4]$, by
A. V. Nikitin, V. V. Ilyukhin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Sections,
Vol CLVII, No 4-6, Aug 1964, pp 1355-1357.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 8

Mar 65
Sc i

278,545

Ordering Atmospheres on Anti-Phase Boundaries in
A B Superstructure (of the β -Brass Type), by L. E.
Popov, E. V. Kozlov, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Physics Sections,
Vol CLVII, No 4-6, Aug 1964, pp 1342-1344.

Amer Inst of Phys
Sov Phys-Doklady
Vol IX, No 8

Sci
Mar 65

278,544